

## Historical Floods: Goose Creek at Leesburg

Latitude: 39.019

Flood Stage: 12 ft

Period of Record: 2011-Present

Last Flood: 3/13/2010

Longitude: -77.578

Number of Floods: 36

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
6/1/1889	29.00	45,000	Major	none
9/24/1912	20.00	13,000	Major	none
5/13/1932	18.45	9,650	Major	none
8/23/1933	21.60	17,000	Major	none
12/1/1934	15.00	7,010	Moderate	none
3/17/1936	13.61	6,010	Minor	none
8/26/1937	26.86	35,600	Major	none
10/28/1937	17.00	8,530	Moderate	none
10/16/1942	22.90	35,600	Major	none
9/18/1945	18.00	18,500	Major	none
12/4/1950	18.25	18,600	Major	none
4/28/1952	14.30	11,700	Minor	none
11/22/1952	12.13	8,840	Minor	none
7/21/1956	20.90	27,600	Major	none
1/14/1958	12.50	9,280	Minor	none
3/5/1965	12.48	8,600	Minor	none
8/25/1967	14.00	10,300	Minor	none
1/14/1968	12.35	8,470	Minor	none
11/13/1970	12.26	8,380	Minor	none
6/22/1972	30.59	78,100	Major	none
12/2/1974	18.84	20,300	Major	none

1/1/1976	13.32	9,490	Minor	none
10/9/1976	25.74	48,700	Major	none
1/26/1978	14.94	11,700	Minor	none
2/26/1979	16.36	14,300	Moderate	none
4/10/1983	14.86	11,500	Minor	none
2/15/1984	16.36	14,000	Moderate	none
2/12/1985	15.88	13,100	Moderate	none
12/11/1992	19.04	21,000	Major	none
1/20/1996	20.11	24,400	Major	none
3/21/1998	17.43	16,500	Moderate	none
9/23/2003	23.32	36,900	Major	none
12/11/2003	17.31	16,200	Moderate	none
7/8/2005	14.34	10,800	Minor	none
5/12/2008	18.90	20,500	Major	none
3/13/2010	13.08	9,280	Minor	none

Drainage Area: 332 sq mi

Gage Datum: 248.93 ft MSL

Potomac Basin  
Loudoun County

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-9999 signifies missing data

### MARFC Codes

Code	Description
(!!!)	Datum changed during this year.
(1)	Backwater Effect.
(2)	15.77 ft also occurred on 11/25/1950 but only counted as one flood.
(3)	Estimated from current USGS rating table.
(4)	Estimated height from the USGS.
(5)	Gage height at a different site and/or datum
(6)	Discharge affected by Regulation or Diversion
(7)	Due to changes, prior floods were based on present flood stage. Therefore, flood data could possibly be incomplete.
(8)	Gage is a staff gage and not the official USGS gage. Therefore, some floods may be missing from our study.
(9)	Discharge effected by snow-melt, ice jam or debris jam break up
(A)	Discharge affected to unknown degree by regulation or diversion.
(B)	Month or day of occurrence is unknown or not exact.
(C)	All or part of the record affected by urbanization, mining, agricultural changes, channelization, or other factors.
(D)	Crest height adjusted to current datum.
(E)	Estimated discharge.
(F)	Only annual maximum peak available for this year.
(O)	This flood occurred at a previous flood stage that is lower than the current flood stage. This is only a historical flood.
**	Crest information looks reasonable despite potential problems. This data was used in our study.
***	Crest information looks unreliable and incomplete and was not used in our flood frequency study.
****	Gauge was discontinued in 2004. 2004 and later was not used in our study.
none	No code

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